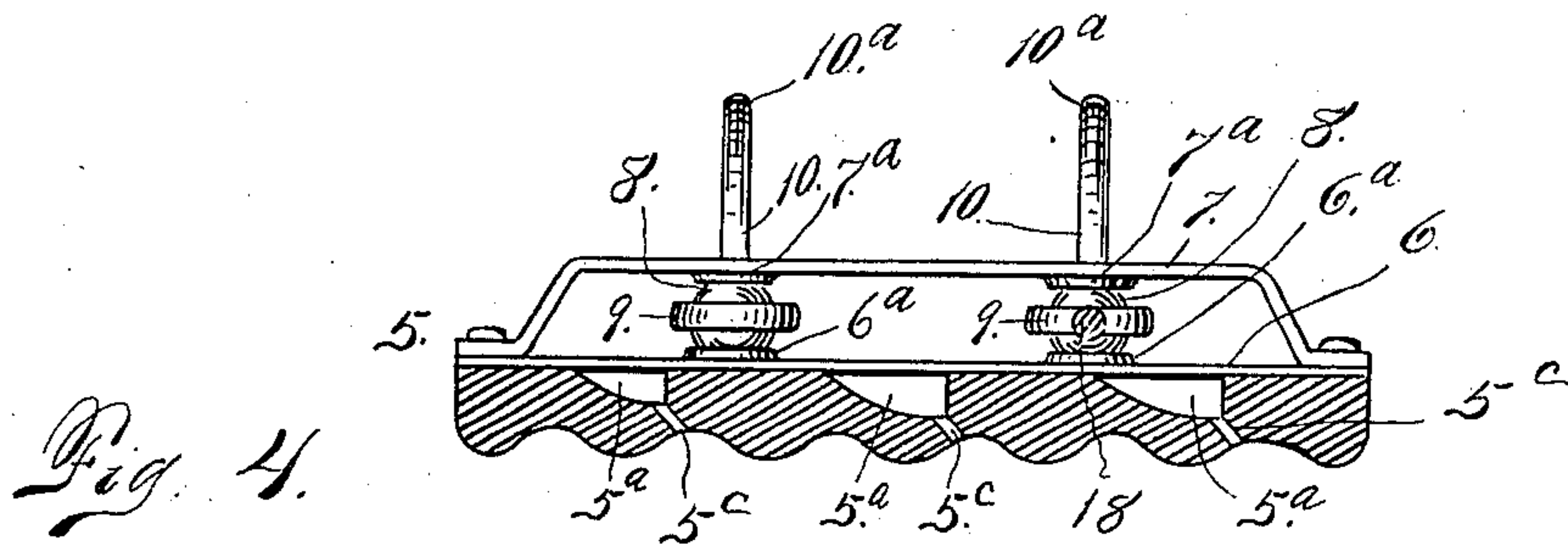
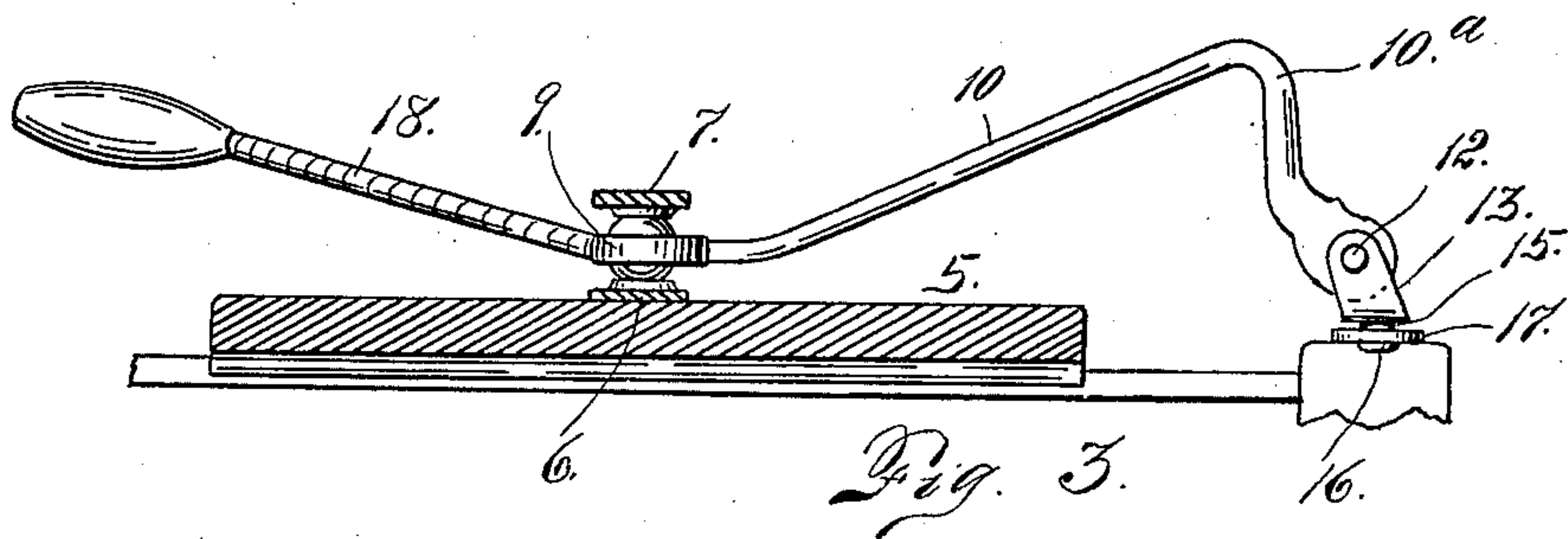
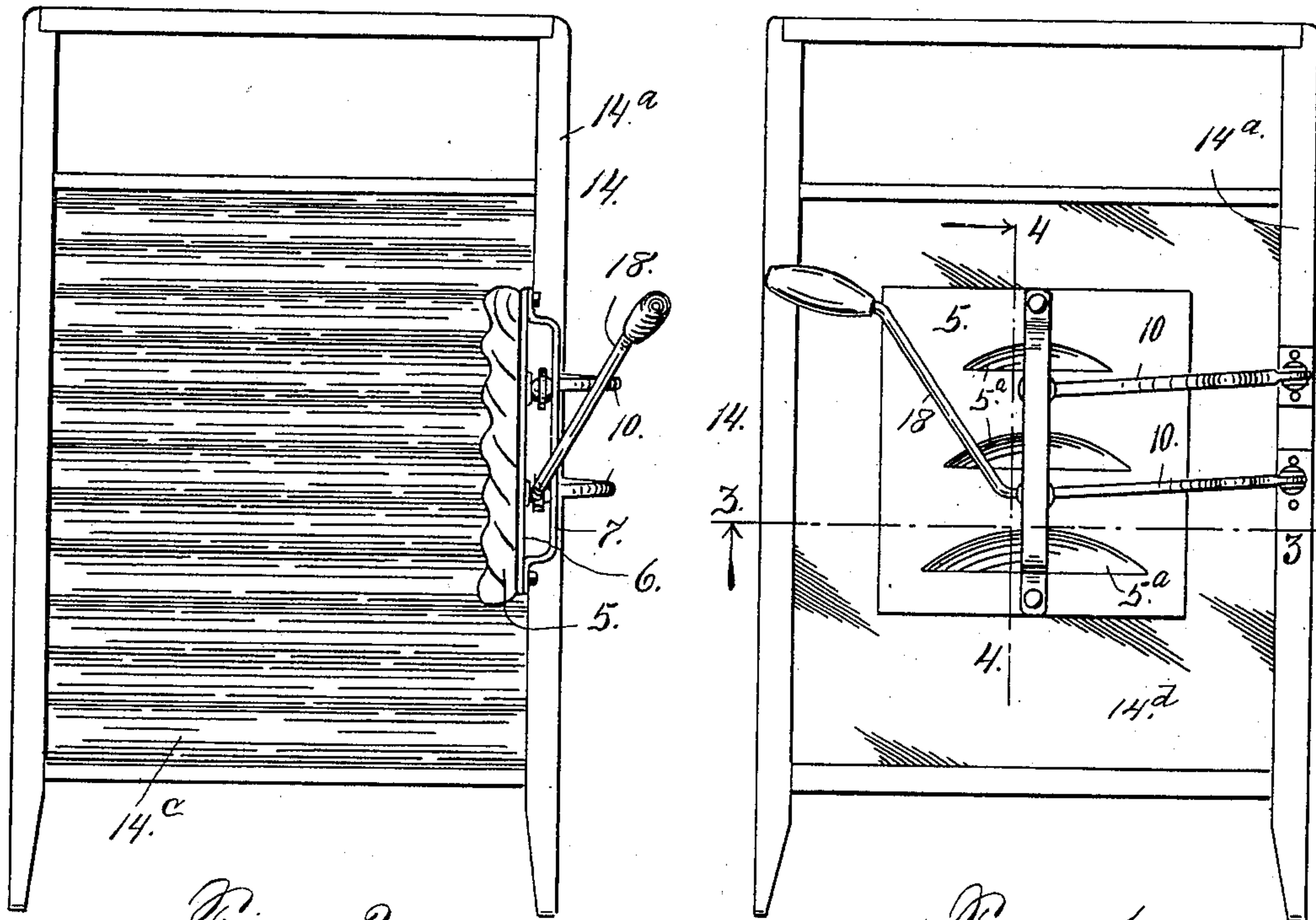


No. 754,924.

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C. H. GUNN.  
CLOTHES WASHING DEVICE.  
APPLICATION FILED FEB. 3, 1903.

NO MODEL.



Witnesses  
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W. W. Outram

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# UNITED STATES PATENT OFFICE.

CHARLES H. GUNN, OF SAN JOSE, CALIFORNIA.

## CLOTHES-WASHING DEVICE.

SPECIFICATION forming part of Letters Patent No. 754,924, dated March 15, 1904.

Application filed February 3, 1903. Serial No. 141,747. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES H. GUNN, a citizen of the United States of America, residing at San Jose, in the county of Santa Clara and State of California, have invented certain new and useful Improvements in Clothes-Washing Devices; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in clothes-washing devices and is adapted for use with the ordinary washboard or any other suitable or similar support or surface adapted to cooperate with the said device.

My object is to provide a thoroughly practicable and efficient device of the character stated; and to this end the invention consists of the features, arrangements, and combinations hereinafter described and claimed, all of which will be fully understood by reference to the accompanying drawings, in which is illustrated an embodiment thereof.

In the drawings, Figure 1 is a front view of an ordinary washboard, showing my improved device connected therewith and in position for use, the working face of the board being shown plain. Fig. 2 is a similar view showing the device thrown upwardly and outwardly to occupy a vertical plane, the working face being shown corrugated in the usual manner. Fig. 3 is a section taken through my improved device on the line 3 3, Fig. 1, the parts being shown on a larger scale. Fig. 4 is a section taken through my washing device on the line 4 4, Fig. 1.

The same reference characters indicate the same parts in all the views.

Let the numeral 5 designate a block or plate constituting the body portion of my improved device. This block, as shown in the drawings, is corrugated on its face or under surface, or the surface which cooperates with the corrugated surface of the washing-board when the device is in use. The top of the device is

provided with a number of chambers or cavities 5<sup>a</sup>, from each of which an orifice 5<sup>c</sup> leads downwardly, opening on the working face of the block. (See Fig. 4.) Centrally applied to the top of the block is a narrow metal piece 6 lying flat thereon, and to this metal piece is secured a metal strap 7, which between its extremities is raised above the part 6. The under surface of the part 7 and the upper surface of the part 6 are provided with shallow concave sockets 7<sup>a</sup> and 6<sup>a</sup>, respectively, which fit balls 8, confined between the sockets. Surrounding the balls 8 and made fast thereto midway between the sockets 7<sup>a</sup> and 6<sup>a</sup> are two rings 9, to which are made fast arms 10. These arms 10 are hinged at 12 to lugs 13, the latter being pivotally connected with one rail or bar 14<sup>a</sup> of a washboard 14 by means of studs 15, having heads 16 occupying recesses in the washboard-rail and held in place by a small plate 17, secured to the said rail. Each stud 15 passes through an opening formed in the plate 17, which opening is too small to allow the head 16 to pass through. The two arms 10 are parallel with each other and suitably separated. Projecting from the ring 9 of one of the arms 10 is an operating-handle 18.

The block 5 may be of any suitable size convenient for use with the washboard.

The device is operated by moving the block up and down or back and forth when in contact with the clothes placed on the washboard. The clothes are located between the block 5 and the rubbing-surface of the board, and they are moved up and down or back and forth on said surface by the block. It will be understood that the block 5 when in use has a combined lateral and reciprocating movement by means of its pivotal connection with the arms 10, the latter being pivotally connected with the rail of the washboard, the washboard being relatively stationary. During the downward movement of the block the water in the tub (not shown) collects in the chambers or recesses 5<sup>a</sup> and passes out through the orifices 5<sup>c</sup> during the up-and-down movement of the block in the performance of its function. The arms 10 are upwardly curved, as shown at 10<sup>a</sup>, to make room for the clothes



on the board at one side of the block. When it is desired to place more clothes on the board, the block may be thrown upwardly to the position shown in Fig. 2. As soon as the clothes  
5 are in place the block is thrown down thereon and the washing operation continued.

Attention is called to the fact that my improved device may be used with a washboard having either a plain or a corrugated surface.  
10 It is my intention to have boards constructed which are corrugated on one side and smooth on the other, since in many instances, particularly where delicate goods are being washed, the smooth side may be preferred. In Figs.  
15 1 and 2 the two opposite sides of the same washboard are intended to be illustrated. Attention is also called to the fact that the arms 10 may be cast or formed integral with the balls 9, with which they are employed.

Having thus described my invention, what I claim is— 20

The combination with a support, of a washing device comprising a block, a metal piece applied thereto, a metal strap projecting outwardly from said piece, sockets formed in the  
25 two pieces, balls engaging said sockets, parallel arms secured to the balls, whereby the arms are pivotally connected with the block, the other extremities of the arms being hinged to lugs which are pivotally connected with the  
30 support, and an operating-handle connected with the device.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES H. GUNN.

Witnesses:

H. K. STAHL,  
M. W. PUTNAM.